

EMERGENCY REPAIR UPGRADE KIT

INSTALL INSTRUCTIONS

Replaces MPNs: 70120

Before Installing

- **ALWAYS** unplug the unit before beginning any work
 - Allow the unit to cool completely if recently used
 - Work in a well-lit area with proper tools
 - Ensure there are no pellets in the hopper assembly
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Installation Steps

When replacing electrical parts in the hopper, the wires can be found being held together with zip-ties. You can cut the zip-ties when replacing any of the following parts. We recommend replacing these zip-ties after installation to prevent the wires from tangling and to prevent any wires from being caught in moving parts such as the fan blade. **Be careful not to cut the wires when cutting off the zip-ties.**

Control board (70120)

1. Unplug the grill.
2. Unscrew old controller from the hopper.
3. Disconnect wires from each molex connector.
4. Connect wire to each molex connector based on the coloring chart below.
5. Screw the new control board back onto the hopper.
6. Plug the grill back into the power source.

Auger Motor (70102)

1. Unplug the grill.
2. Empty any pellets left in the hopper and burner box.
3. Unscrew hopper from burner box (remove the access panel on the bottom of the hopper instead if your model has one).
4. Disconnect auger motor wire from molex connector.
5. Unscrew and remove auger pin from the auger and auger motor.

6. Pull out auger motor from the auger and burner box (you can also pull out auger assembly for cleaning and maintenance).
7. Push new auger motor into the auger drive slot on the auger assembly.
8. Screw the auger pin back into the auger motor and auger.
9. Push auger motor and auger assembly into the burner box.
10. Connect auger motor wire to molex connector into wiring harness based on the coloring chart below.
11. Screw hopper back onto burner box (or screw access panel back onto hopper if your model has one).
12. Plug the grill back into the power source.

Auger Bushing (74076)

1. Unplug the grill.
2. Empty any pellets left in the hopper and burner box.
3. Unscrew hopper from burner box (remove the access panel on the bottom of the hopper instead if your model has one).
4. Disconnect auger motor wire from molex connector.
5. Unscrew and remove auger pin from the auger and auger motor.
6. Pull out auger motor from the auger and burner box (you can also pull out auger assembly for cleaning and maintenance).
7. Remove old auger bushing from auger drive slot.
8. Sleeve new bushing over auger drive slot up to the base.
9. Push auger motor into the slot on the auger assembly.
10. Screw the auger pin back into the auger motor and auger.
11. Push auger motor and auger assembly into the burner box.
12. Connect auger motor wire to molex connector into wiring harness based on the coloring chart below.
13. Screw hopper back onto burner box (or screw access panel back onto hopper if your model has one).
14. Plug the grill back into the wall.

Induction Motor (70133)

1. Unplug the grill.
2. Unscrew hopper from burner box (remove access panel from under the hopper instead if your model has one).
3. Disconnect molex connector from induction motor.

4. Unscrew old induction motor from firebox.
5. Screw the new induction motor back firebox.
6. Connect induction motor wire to molex connector into wiring harness based on the coloring chart below.
7. Screw hopper back onto burner box (or access panel back onto hopper).
8. Plug the grill back into the power source.

Igniter (70112)

The igniter is located at the end of the pellet burner assembly and is fastened into the burnpot/ fire pot using a set screw.

1. Unplug the grill from the power source
2. Empty any pellets you may have in the hopper and firebox.
3. Unscrew hopper from the burner assembly (remove the access panel on the bottom of the hopper instead if your model has one).
4. Remove all of the cooking grids, broiler plates, drip pan, and baffle from the grill.
5. Disconnect igniter molex connector.
6. Unscrew burn pot set screws from the burner.
7. Remove the rubber grommet from the burner assembly where the igniter wires enter into the burner from the hopper side.
8. Feed the wires into the burner until the molex connection is in the burner.
9. Remove the burnpot (the burnpot can be removed by turning and then lifting the burnpot). The igniter wires will pull out through the burner.
10. Unscrew igniter set screw
11. Remove igniter from burnpot.
12. Install the new igniter to burnpot. **3/8" to 1/2" of the igniter tip should be visible in the burnpot.**
13. Screw igniter set screw to burnpot and igniter.
14. Set burnpot into the grill. Feed the igniter wires into the burner until molex connector is seen at the passthrough hole and then pull connector through the hole.
15. Slip on the rubber grommet.
16. Connect igniter wire to molex connector into wiring harness based on the coloring chart below.

17. Pull the slack from the wires as you fit the burn pot into the burner assembly. Take up the slack of the burnpot wires and zip tie if needed
18. Screw in burn pot back into burner.
19. Fit the grommet into the wire hole.
20. Replace the cooking grids, broiler plates, drip pan, and baffle from the grill.
21. Screw hopper back onto the burner box (screw in the hopper bottom access panel back onto hopper if you have one).
22. Plug in your grill.

RTD Sensor (70224)

1. Unplug the grill from the power source
2. Empty any pellets you may have in the hopper and burnerbox.
3. Unscrew hopper from the burner assembly.
4. Unscrew controller from the hopper.
5. Remove all of the cooking grids.
6. Unscrew RTD cover plate from inside the grill.
7. Unscrew RTD probe from frame inside the grill.
8. Disconnect RTD wires from the control board (loosen set screw from the green terminal block on the back of the board).
9. Pull old RTD probe and wires out of the side grill from inside the grill.
10. Thread new RTD probe wire through the frame and side of the grill. The RTD probe should be in the same position as the old RTD probe
11. Screw RTD cover plate back inside the grill.
12. Screw RTD probe wire back into the green terminal block on the back of the control board.
13. Screw the new control board back onto the hopper.
14. Screw Hopper back onto burner assembly.
15. Plug the grill back into the power source.

Power Cord (70110)

1. Unplug the grill.
2. Unscrew hopper from burner box (remove access panel from under the hopper instead if your model has one).
3. Disconnect power cord wire connector.
4. Unscrew Green grounding wire.
5. Remove old power cord from hopper.

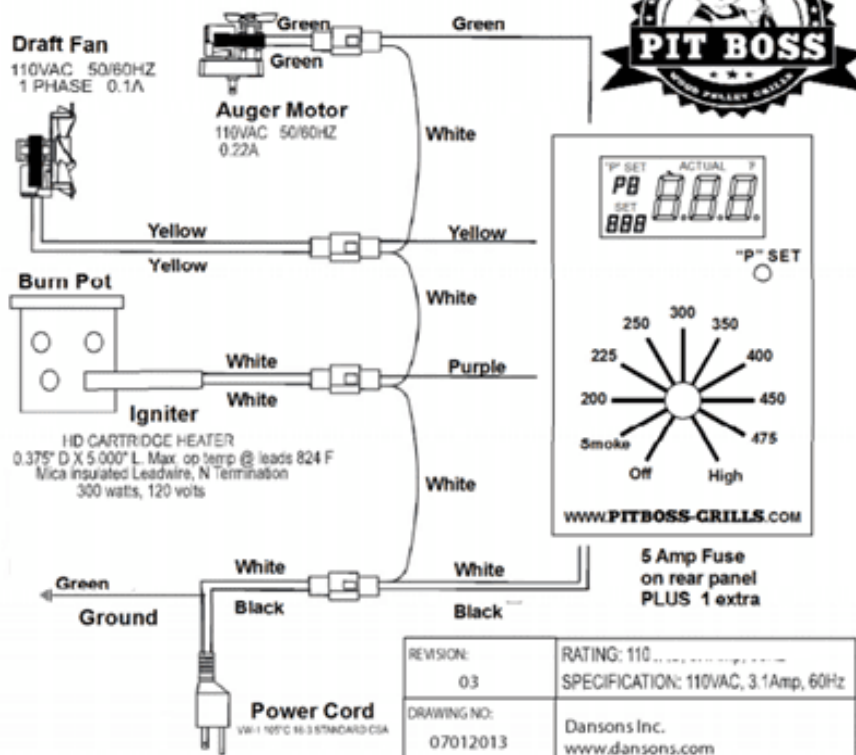
6. Feed new power cord leads through hopper.
7. Connect power cord wire to molex connector based on the coloring chart below.
8. Screw grounding wire onto hopper frame.
9. Screw the control board back onto the hopper.
10. Screw hopper back onto the burner box (screw in the hopper bottom access panel back onto hopper if you have one).
11. Plug the grill back into the power source.

Wiring Color Index

- Orange/Yellow & White Wire: Connects to the draft fan (double yellow/orange wire)
- Red/Green & White Wire: Connects to the auger motor (double green/red wire)
- Purple & White Wire: Connects to the heater igniter (hot rod) (double white wire or braided wire)
- Black & White Wire: Connects to the power cord (same color)
- Single Green Wire: Power cord grounding wire

Diagrams:

Pit Boss Wire Diagram



✓ Post-Installation Check

- Verify all connections are secure
- Ensure all wiring is not in proximity of moving parts
- Test motor operation before closing panels
- Check for any unusual noises or vibrations

☎ Support

If you encounter any issues during installation, consult your owner's manual or contact technical support via our [contact form](#).